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TITLE: RUBBER COMPOSITION FOR TIRE TREAD
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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To provide a rubber composition for tire treads which is prevented from the degradation in properties, such as grip force, after repeated running and has improved processibility, electric conductivity, and wet skid characteristics by compounding a rubber component comprising an aromatic vinyl compound-conjugated diene copolymer rubber and other elastomers with aluminum hydroxide and carbon black.

SOLUTION: This composition is prepared by compounding 100

pts.wt. rubber
component comprising 30-100 wt.% aromatic vinyl
compound-conjugated diene
copolymer rubber having a glass transition temperature of
-70°C to 0°C
and containing 15-60 wt.% styrene units and 15-70 wt.%
1,2-diene units and 0-70
wt.% elastomers other than the foregoing rubber with 5-30
pts.wt. aluminum
hydroxide having an average particle size of 0.1-10 μm and
a BET specific
surface area of 20 m²/g or higher and 10-100 pts.wt. carbon
black having a
nitrogen absorption specific surface area of 70-300 m²/g. The
ratio of aluminum
hydroxide to the total filler is preferably 5-30 wt.%.

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